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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,759	03/18/2004	Tae-kyun Kim	46055	4697
1609	7590 04/10/20	6	EXAMINER	
ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. 1300 19TH STREET, N.W.			MRUK, GEOFFREY S	
SUITE 600	SIREEI, N.W.		ART UNIT	PAPER NUMBER
WASHING	ΓON,, DC 20036		2853	
			DATE MAIL ED: 04/10/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

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-		Application No.	Applicant(s)	P
		10/802,759	KIM ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Geoffrey Mruk	2853	
 Period for	- The MAILING DATE of this communication app Reply	ears on the cover sheet with the c	orrespondence address	
A SHC WHICH - Extens after S - If NO p - Failure Any re	PRIENT STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DASIONS of time may be available under the provisions of 37 CFR 1.13 (IX (6) MONTHS from the mailing date of this communication. Deeriod for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, ply received by the Office later than three months after the mailing dipatent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
2a)☐ ³	Responsive to communication(s) filed on <u>18 Ma</u> This action is FINAL . 2b) This Since this application is in condition for allowar	action is non-final. nce except for formal matters, pro		
Dispositio	on of Claims			
5)	Claim(s) <u>1-36</u> is/are pending in the application. (a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) <u>1-36</u> are subject to restriction and/or e	vn from consideration.		
Applicatio	on Papers			
10)□ T , ,	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Conference of the conference of the oath or declaration is objected to by the Examiner.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).	
Priority ur	nder 35 U.S.C. § 119	. '		
a) [acknowledgment is made of a claim for foreign All b) Some * c) None of: Certified copies of the priority documents Copies of the certified copies of the priority documents Copies of the certified copies of the priority documents pplication from the International Bureau tee the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received i (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO 413)	
2) Notice 3) Informa	of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	Paper No(s)/Mail Da		

DETAILED ACTION

Election/Restrictions

This application contains claims directed to the following patentably distinct species of the claimed invention:

Species 1, claims 1-9, drawn to a maintenance method for an inkjet printer comprising: wiping a nozzle surface of a print head with a wiper, blocking the nozzle surface from outside, and cleaning the print head excluding the blocked nozzle surface.

Species 2, claims 10-17, drawn to a maintenance method for an inkjet printer comprising the steps of:

- a) wiping a nozzle surface of a print head with a wiper;
- b) calculating a number (X1) of ink droplet firings and comparing the calculated number (X1) with a first reference value (Y1);
 - c) if X1 ≥ Y1in step b), blocking the nozzle surface of the print head; and
 - d) cleaning the print head, with the nozzle surface being blocked.

Species 3, claims 19-27, drawn to the maintenance method of claim 10, wherein step b) further comprises the step of calculating an amount of fired ink droplets and comparing the calculated amount (X3) with a third reference value (Y3), and if X1<Y1 and if X3 \geq Y3, step c) further comprises the step of blocking a nozzle surface of the print head.

Species 4, claims 28-36, drawn to a maintenance method for an inkjet printer, comprising the steps of:

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a) wiping a nozzle surface of a print head with a wiper;

b) calculating a number (X2) of wipings on the print head and comparing the calculated number (X2) with a second reference value (Y2);

c) if X2 ≥ Y2 in step b), blocking the nozzle surface of the print head; and

d) cleaning the print head, with the nozzle surface being blocked.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the

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requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geoffrey Mruk whose telephone number is 571 272-2810. The examiner can normally be reached on 7am - 330pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on 571 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GSM 4/3/2006

> MANISH S. SHAH PRIMARY EXAMINER